Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/03/2020 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123287	-2	3.34	123376	3.30
Blue	F	SSC	125000	124467	-1	1.71	125171	1.66
Blue	E	FITC	15892	15380	-4	2.93	333	21.54
Blue	D	PE	29999	29049	-4	2.07	632	15.39
Blue	B	PerCP-Cy5-5	43732	43322	-1	3.86	1157	21.57
Blue	A	PE-Cy7	30845	30718	-1	6.64	580	44.08
Red	C	APC	46112	45206	-2	2.45	1593	12.00
Red	A	APC-Cy7	30458	29344	-4	2.32	776	12.09
Violet	B	V450	7918	7641	-4	4.71	436	13.21
Violet	A	V500	32171	31188	-4	4.46	729	10.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16636	19.84	656	35	N/A	N/A	Pass
Blue	F	SSC	57332	1.28	584	25	N/A	N/A	Pass
Blue	E	FITC	61	65.51	554	11	0.0166	81	Pass
Blue	D	PE	131	53.18	560	12	0.1542	298	Pass
Blue	B	PerCP-Cy5-5	214	53.37	669	13	0.0081	77	Pass
Blue	A	PE-Cy7	104	115.76	715	17	0.0096	28	Pass
Red	C	APC	382	25.02	588	4	0.0252	160	Pass
Red	A	APC-Cy7	170	30.07	558	2	0.0056	1408	Pass
Violet	B	V450	65	60.76	460	2	0.0532	2258	Pass
Violet	A	V500	109	33.76	476	2	0.0221	703	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/03/2020 09:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.42	-31.97	1.08
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	15.81	13.60 - 20.40	N/A	N/A	29.23	29.78	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9560

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments